Docket No.: 04079/100I235-US2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Maria-Grazia ASCENZI et al.

Patent No.: 7,127,383

Issued: October 24, 2006

For: MODELING VISCOELASTIC TORSIONAL PROPERTIES OF OSTEONS

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.323

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted minor errors and typographical errors that should be corrected. A listing of the errors to be corrected is attached.

The minor errors and typographical errors are found in the application as filed by Applicant. Please charge our Credit Card in the amount of $100.00 covering the fee set forth in 37 CFR 1.20(a).

The errors now sought to be corrected are inadvertent errors, the correction of which does not involve new matter or require reexamination. In particular, the corrections of the minor errors specify the publication sources associated with Figures 2, 3, and 6b in the application, and do not add new disclosure.

Transmitted herewith is a proposed Certificate of Correction effecting such corrections. Patentee respectfully solicits the granting of the requested Certificate of Correction.

The Commissioner is authorized to charge any deficiency of up to $300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: June 1, 2007

Respectfully submitted,

By Dianna Goldenson

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PTO/SB/44 (05-07)
Approved for use through 05/31/2007. OMB 0651-0033
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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,127,383

APPLICATION NO. : 10/066,293

ISSUE DATE : October 24, 2006

INVENTOR(S) : Maria-Grazia ASCENZI; and John Michael KABO

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Amendments to the Specification:

Please replace the paragraph at col. 4, lines 43-49 with the following amended paragraph:

FIG. **2**. Schematic drawing of torsional loading device used in the Examples. 1=Rotational axis with its jaws; 2[[;]] and 3=hard metal wedges of the pendulum loading system; 4=the wheel around which the thread, lodged with weights, is attached; 5=the axis of the pendulum; 6=the mirror that reflects the laser beam onto the graduated scale to detect angle-of-twist variations (from Ascenzi, A, Baschieri, P, Benvenuti, A. (1994) The torsional properties of single selected osteons. J. Biomechanics, 27(7): 875-884).

Please replace the paragraph at col. 4, lines 50-51 with the following amended paragraph:

FIG. **3**. Diagram showing the trapezoid cut from a thin transverse femoral section around a chosen alternate osteon (from Ascenzi, M.-G, Ascenzi, A., Burghammer, M., Panzavolta, S., Benvenuti, A. and Bigi, A. (2003) Structural differences between "dark" and "bright" isolated human osteonic lamellae. J. Structural Biology, 141, 22-33).

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Please replace the paragraph at col. 4, lines 58-67 with the following amended paragraph:

FIGS. **6**A and **6**B. (A) Material model consisting of fiber-reinforced unidirectional laminae. The first few external laminae are partially pulled out to show arrangement. (B) On a small laminar element of constant thickness, the principal material axes are labeled 1, 2, and 3. Direction 1 is parallel, and direction 2 perpendicular, to the fibers. Direction 3 is the radial direction, perpendicular to the plane of the diagram. Circumferential and axial directions are labeled Θ and z. The angle between the circumferential direction and direction 1 is denoted ~~γ~~ Y (from Ascenzi, M.-G. (1999) A first estimation of prestress in so-called circularly fibered osteonic lamellae, J. Biomechanics, (32): 935-942).

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